

# Integrin alpha 6 Rabbit mAb

Catalog No: #48626

Package Size: #48626-1 50ul #48626-2 100ul



**SAB**<sup>®</sup>

Signalway Antibody

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## Description

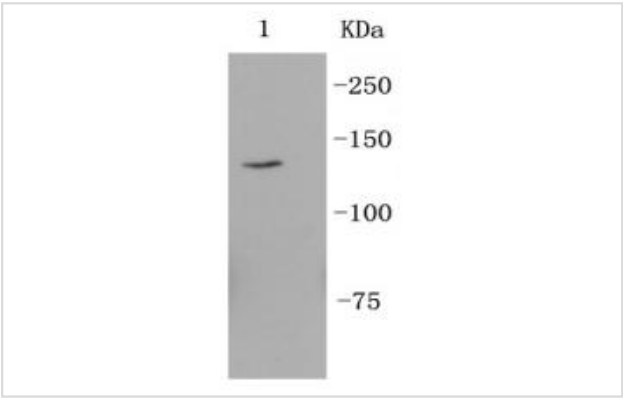
|                       |                                                                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Integrin alpha 6 Rabbit mAb                                                                                                                                                                                                                          |
| Host Species          | Recombinant Rabbit                                                                                                                                                                                                                                   |
| Clonality             | Monoclonal                                                                                                                                                                                                                                           |
| Clone No.             | SR45-00                                                                                                                                                                                                                                              |
| Purification          | ProA affinity purified                                                                                                                                                                                                                               |
| Applications          | WB, IHC                                                                                                                                                                                                                                              |
| Species Reactivity    | Hu, Ms, Rt                                                                                                                                                                                                                                           |
| Immunogen Description | recombinant protein                                                                                                                                                                                                                                  |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                         |
| Other Names           | Alpha6p antibody CD49 antigen-like family member F antibody CD49f antibody Integrin alpha6B antibody Integrin, alpha 6 antibody ITA6_HUMAN antibody ITGA6 antibody ITGA6B antibody Processed integrin alpha-6 antibody VLA 6 antibody VLA-6 antibody |
| Accession No.         | Swiss-Prot#:P23229                                                                                                                                                                                                                                   |
| Calculated MW         | 127 kDa                                                                                                                                                                                                                                              |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.                                                                                                                                                                                 |
| Storage               | Store at -20°C                                                                                                                                                                                                                                       |

## Application Details

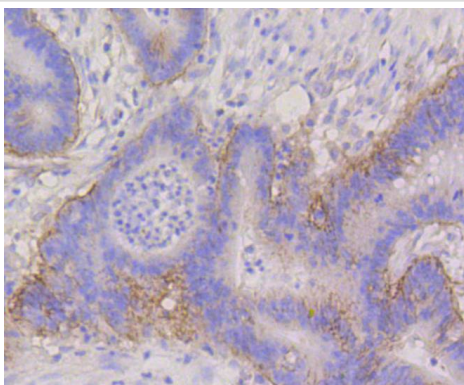
WB: 1:500-1:1,000

IHC: 1:50-1:200

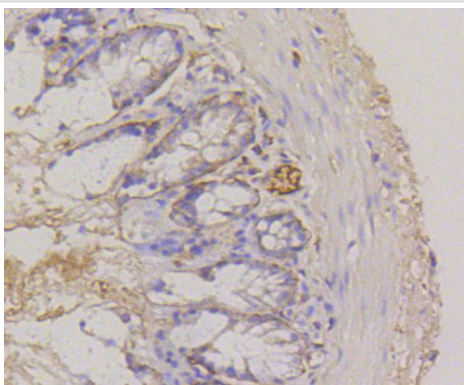
## Images



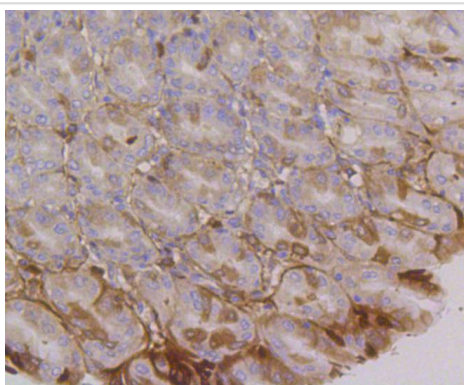
Western blot analysis of Integrin alpha 6 on Raji cell lysates using anti-Integrin alpha 6 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Integrin alpha 6 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Integrin alpha 6 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-Integrin alpha 6 antibody. Counter stained with hematoxylin.

## Background

Integrins are heterodimers composed of noncovalently associated transmembrane  $\alpha$  and  $\beta$  subunits. The 16  $\alpha$  and 8  $\beta$  subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, Collagen and Vitronectin. Certain integrins can also bind to soluble ligands such as Fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Ligands serve to cross-link or cluster integrins by binding to adjacent integrin receptors; both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis.

## References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.